



U.S. Department
of Transportation
**Research and
Special Programs
Administration**

400 Seventh St., S.W.
Washington, D.C. 20590

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0622/S, REVISION 0**

This certifies that the sources described have been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive materials.

1. Source Identification - Isotope Products Laboratories Model Nos. CS7.50P/O, CS7.50P/P and CS7.50P/S.
2. Source Description - Sources are single encapsulations constructed of 304 stainless steel. Source measures approximately 35 mm (1.38 in.) in diameter, 93 mm (3.66 in.) in length and has a wall thickness of 2.0 mm (0.08 in.). Capsules are seal welded by tungsten inert gas method. Radioactive material is contained within an inner cell within the source capsule. This inner cell may be constructed of stainless steel (type O), plastic (type P) or silica glass (type S). Void space between inner cell and outer capsule is filled with steel wool. Sources shall be constructed in accordance with IPL drawing no. P50/Y (attached).
3. Radioactive Contents - No more than 2.0 TBq (54.1 Ci) of Cesium-137 for Model Cs7.50P/Y. The Cesium-137 is in solid form as cesium nitrate.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires March 7, 2008.

¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

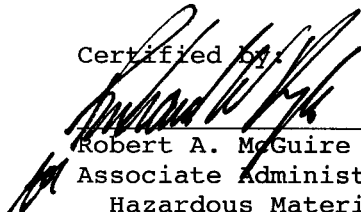
² Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

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This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated January 16, 2003, February 4, 2003 and March 4, 2003 submitted by Pacific Northwest National Laboratory, Richland, WA, and in consideration of other information on file in this Office.

Certified By:



Robert A. McGuire

Associate Administrator for
Hazardous Materials Safety

MAR 25 2003

(DATE)

Revision 0 - Original issue.

